
ऑयल हाइड्रोलिक कपलिंग के लिए इक्वल टी-बॉडी — विशिष्टि

भाग 2 बार स्टॉक से बनी हुई
(पहला पुनरीक्षण)

Equal Tee-Body for Oil-Hydraulic Couplings — Specification

Part 2 Made from Bar Stock

(*First Revision*)

ICS 23.100.40 ; 75.120

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भारतीय मानक ब्यूरो

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FOREWORD

This Indian Standard (Part 2) (First Revision) was adopted by the Bureau of Indian Standards, after the draft finalized by the Fluid Power Systems Sectional Committee had been approved by the Production and General Engineering Division Council.

This standard covers tee-bodies made from bar stock only. The tee-bodies made from forgings are covered in IS 9389 (Part 1) 'Equal tee-body for oil-hydraulic couplings — Specification : Part 1 Made from forgings'.

This standard was first published in 1979. This revision has been taken up to keep pace with the latest technological developments. In this revision following major changes have been made:

- a) Material specification,
- b) Surface protection requirement to as per latest international practice, and
- c) Dimensions as per ISO 8434.

In the preparation of this standard, considerable assistance has been derived from the following standard:

ISO 8434-1 : 2007 Metallic tube connections for fluid power and general use — Part 1 : 24 degree cone connectors

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 1960 'Rules for rounding off numerical values (*revised*)'. The number of significant places retained in the rounded off value should be same as that of the specified value in this standard.

Indian Standard

EQUAL TEE-BODY FOR OIL-HYDRAULIC COUPLINGS — SPECIFICATION

PART 2 MADE FROM BAR STOCK

(*First Revision*)

1 SCOPE

This standard specifies the dimensions, material and other requirements for equal tee-body made from bar stock for use in oil-hydraulic systems.

2 REFERENCES

The standards listed below contain provisions which, through reference in this text constitute provisions of this standard at the time of publication, the editions indicated were valid. All standards are subject to revision and parties to agreement based on this standard are encouraged to investigate the possibility of applying the most recent edition of the standards indicated below.

<i>IS No.</i>	<i>Title</i>
1367 (Part 11) : 2002	Technical supply conditions for threaded steel fasteners : Part 11 Electroplated coatings
2062 : 2011	Hot rolled medium and high tensile structural steel — Specification
4218	ISO general purpose metric screw thread (All Parts)
8805 : 2002	General requirements for ferrule type couplings used in oil-hydraulic systems
9767 : 1981	Specification for tee coupling assemblies for oil-hydraulic systems

3 DIMENSIONS

Dimensions shall be as given in Table 1.

4 MATERIAL

Steel of grade E250, Quality A or B conforming to

IS 2062 or any other steel as agreed to between the user and the manufacturer.

5 SURFACE PROTECTION

Tee-bodies are to be zinc plated as per IS 1367 (Part 11), unless otherwise agreed to between the user and the manufacturer.

6 GENERAL REQUIREMENTS

These tee-bodies are intended for assembly in accordance with Type C of IS 9767. For details not covered in this standard, reference shall be made to IS 8805.

7 DESIGNATION

An equal tee-body of light series L for outside diameter of tube 6 mm and conforming to this standard shall be designated as:

Equal Tee Body L6 IS 9389 (Part 2)

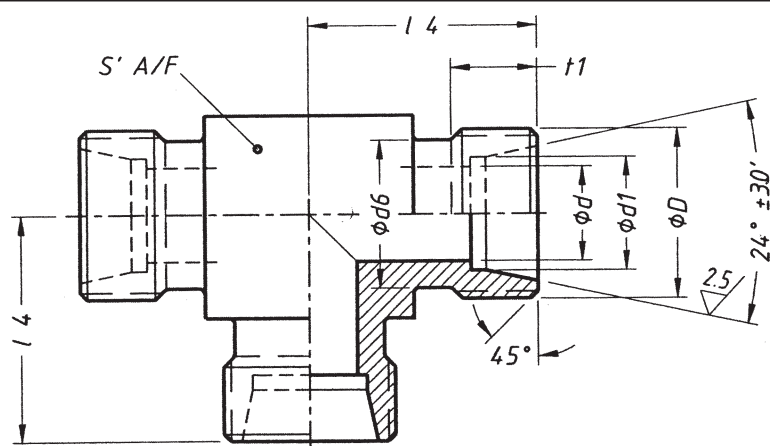
8 BIS CERTIFICATION MARKING

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Table 1 Dimensions for Equal Tee-Body
(Clause 3)

All dimensions in millimetres.



Series	Outside Dia of Tube	D*	d1 B11	d	d6 h13	t 1 ±0.2	l 4 ±0.3	S' A/F
Very Light LL	4	M8 × 1.0	4	3	6.4	6	15	10
Light L	6	M12 × 1.5	6	4	9.7	7	19	12
	8	M14 × 1.5	8	6	11.7	8	21	14
	10	M16 × 1.5	10	8	13.7	8	22	17
	12	M18 × 1.5	12	10	15.7	9	24	19
	15	M22 × 1.5	15	12	19.7	10	28	22
	18	M26 × 1.5	18	15	23.7	10	31	27
	22	M30 × 2.0	22	19	27.0	12	35	30
	28	M36 × 2.0	28	24	33.0	12	38	36
	35	M45 × 2.0	35	30	42.0	14	45	46
Heavy S	42	M52 × 2.0	42	36	49.0	14	51	55
	6	M14 × 1.5	6	4	11.7	10	23	14
	8	M16 × 1.5	8	5	13.7	10	24	17
	10	M18 × 1.5	10	7	15.7	10	25	19
	12	M20 × 1.5	12	8	17.7	10	29	22
	16	M24 × 1.5	16	12	21.7	11	33	24
	20	M30 × 2.0	20	16	27.0	13	37	30
	25	M36 × 2.0	25	20	33.0	16	42	36
	30	M42 × 2.0	30	25	39.0	18	49	46
	38	M52 × 2.0	38	32	49.0	19	57	55

* Threads shall conform to IS 4218 Class 6 g.

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Amendments Issued Since Publication

Amend No.	Date of Issue	Text Affected

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